

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Currently Amended) A method of producing an electrical circuit element as claimed in claim 1, wherein comprising an elongate electrical conductor encircled by magnetic material extending along at least a part of said electrical conductor, the method comprising:
forming at least a first sacrificial layer above and across said part of said electrical conductor;

removing at least part of said first sacrificial layer to leave a space above and across said electrical conductor; introducing a fluid comprising magnetic nanoparticles dispersed in a liquid dispersant into said space, and removing said liquid dispersant leaving said magnetic nanoparticles densely packed in said space as at least part of said magnetic material, said magnetic material presents an easy axis of magnetisation extending along said electrical conductor.

13. (Canceled)

14. (Currently Amended) A method of producing an electrical circuit element as claimed in claim 1, and comprising an elongate electrical conductor encircled by magnetic material extending along at least a part of said electrical conductor, the method comprising:

forming at least a first sacrificial layer above and across said part of said electrical conductor;

removing at least part of said first sacrificial layer to leave a space above and across said electrical conductor; introducing a fluid comprising magnetic nanoparticles dispersed in a liquid dispersant into said space, and

while applying a magnetic field to said magnetic material while said liquid dispersant is being removed, removing said liquid dispersant leaving said magnetic nanoparticles densely packed in said space as at least part of said magnetic material.

15. (Canceled)

16. (Canceled)

17. (Canceled)